



QUALITY ASSURANCE PROGRAM

INSPECTION CHECKLIST

BUILDING DIVISION

COMMUNITY DEVELOPMENT DEPARTMENT

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2021 OREGON PLUMBING SPECIALTY CODE

This checklist is applicable for plumbing work installed or altered under the Oregon Plumbing Specialty Code (OPSC). This checklist includes the requirements that are generally applicable to most projects. As this checklist is not all inclusive, please refer to the [adopted code](#) for all applicable requirements.

This checklist is intended to:

- Promote consistency in the application of the building code and standard practices.
- Provide customers a tool to prepare for required inspections.
- Provide guidance for inspectors to verify code requirements are achieved in an efficient manner.

Responsibility of the Permit Applicant

The permit holder is responsible for the following:

- Have the address posted on site **(AMC 18.08.010)**
- Provide safe access to perform all inspections **(AMC 18.08.010)**
- Ensure all work remains exposed and open for inspection until approved. **(AMC 18.08.080, 105.1)**
- All works shall be completed prior to the requested inspection **(AMC 18.08.010, 105.2.3)**
- Request all inspections online through www.cityofalbany.net/inspections **(AMC 18.08.020)**
- Where plan review is required, all plans, documents, and revisions to plans must be maintained on site and available for review at all times the building is under construction **(104.3.1/OAR 918-780-0040)**
- All work shall be installed in accordance with the approved plans. Any changes from the approved plans shall be resubmitted for review and approved prior to proceeding **(AMC 18.06.040/104.4.1)**
- If ladders or equipment are necessary to perform inspections, all ladders and equipment shall meet minimum OSHA standards. Inspectors are not responsible for setting up or moving ladders from one location to another, within or to other buildings or structures **(AMC 18.08.020)**

Required Inspections

The following are the required inspections for a typical plumbing project. **(105.2)** Additional inspection could be required based on the individual design **(105.2.2)**:

Plumbing:

- Underground services
- Under floor/slab plumbing
- Plumbing Top out
- Plumbing Final

If only a portion of the work for an inspection is complete and needs to be inspected for cover, request the appropriate inspection and in the request comments, request a partial inspection and staff will inspect only that element.

Inspection Results

Inspection results are provided via email to the applicant on record and can be also reviewed at <http://www.cityofalbany.net/permits> by searching the permit number.

The following are the common inspection results and the required actions needed:

Approved- *The inspection passed and is approved to cover the scope of the inspection and proceed to the next phase.*

Conditionally Approved- *This result is an approval, with corrections that are required. In this result, read the notes as there may be specific instructions to proceed, and we will verify at a future inspection. When this result is used, you do not need to request a reinspection.*

Partial Approval- *This result is for when only a portion of the project is ready for the requested inspection and was inspected. In this case only the portion noted in the inspection is approved and can be covered. The remaining portion will need to be inspected when ready and approved prior to cover.*

Corrections Required- *This result is a disapproval and will be accompanied with a list of elements that need to be corrected prior to requesting the next inspection. Unless otherwise stated in the inspection result, all work must stay exposed until the reinspection is completed and approved.*

Not Ready- *The scope of the inspection is not ready at the time of inspection. For example, a top out inspection is requested but the installers are still installing the piping.*

No Access- *This result is used when access to the property or building is not granted or no one is home.*

Cancelled- *Generally this result is when the inspection is cancelled by the applicant's request or administratively in our office.*

Information- *This result is used rarely for information about a future inspection, such as AAV are being used at the kitchen island and staff want to make a separate note about it for the final. The use of this result is purely for information and does not constitute a completed inspection or approval.*

It is important to review all emailed inspection results for corrections required and/or approvals prior to proceeding. Any result other than approved or conditionally approved will require the work to remain open and a new inspection requested as discussed above. Work covered prior to approval will be required to be exposed to conduct required inspections, as specified in **AMC 18.08.100**.

Plumbing Inspections

(References are to the [2021 Oregon Plumbing Specialty Code](#) unless otherwise noted.)

General Inspection Requirements

- ❑ No plumbing system or component may be covered prior to inspection **(105.2.1, AMC 18.08.080)**
- ❑ Materials used must be listed and approved for the specific application **(301)**
- ❑ All fixtures and drainage piping must be connected to an approved point of disposal **(304.1)**
- ❑ Valves, pipes, and fittings must be installed in correct relation to flow **(310.7)**
- ❑ Proper support required for DWV and water piping **(313.3)**
- ❑ All pipes passing through walls or floors must be protected from breakage and voids around pipes must be sealed. No plumbing piping shall be directly embedded in concrete **(312.1, 312.2, 312.10)**

Plumbing- Underground Service Inspection

- ❑ Tracer wire required for water and drainage plastic pipes, **(14 AWG) (604.10.1, 718.4, 1101.6.2(7))**
- ❑ Water Service:
 - Proper water line materials and sizing **(604.1, 610, Tables 604.1, 610.3, 610.4)**
 - Water pipe required depth of 12" below frost depth **(609.1)**
 - Pressure reducing valve required where static water pressure exceeds 80 psi **(608.2)**
 - Water line valve requirements **(606)**
 - Water supply test **(609.4)**
 - Required backflow prevention assembly not installed or not accessible **(602.3)**
- ❑ Sanitary and Storm Sewer
 - Grade for drainage piping as per code **(718.1)**
 - Proper materials and sizing of drainage pipe **(701.2, 702, 703, Table 701.2, 702.1, 703.2 717, 1101.4)**
 - Proper fittings for changes in direction of drainage flow **(706)**
 - Required cleanouts as per code **(719)**
 - Drainage piping installed on a firm bed for entire length **(718.2)**
 - Clearance of drainage piping and water pipes on the same trench and at crossings **(609.2, 720.1)**
 - Building drainage (storm and sanitary) sewer tests **(712, 723)**
- ❑ Required footing drains as per code **(1101.6.2)**
- ❑ Required backwater valve not installed or not accessible **(1101.6.2(3))**

Plumbing- Underfloor/Underslab Inspection

- ❑ Potable Water:
 - Proper water line materials and sizing **(604.1, 610, Tables 604.1, 610.3, 610.4)**
 - Freeze protection for water lines **(312.6)**
 - Pressure reducing valve required where static water pressure exceeds 80 psi **(608.2)**
- ❑ Sanitary Drains:
 - Proper materials and sizing of drainage pipe **(701.2, 702, 703, Table 701.2, 702.1, 703.2)**
 - Grade for drainage piping as per code **(708)**
 - Proper fittings for changes in direction of drainage flow **(706)**
 - Required cleanouts as per code **(707)**
- ❑ Vents:
 - Vent requirements **(901.2)**
 - Size of vents **(904.1, Table 703.2)**
 - Horizontal wet vent **(908.2)**
 - Trap arm length **(1002.2)**

- Sewage pump and ejectors (710)
- DWV piping test for under slab elements (712)
- Storm drainage pump and ejector (1101.6.2)
- Required backwater valve not installed or not accessible (1101.6.2(3))

Plumbing- Top Out Inspection

- Potable Water:
 - Proper water line materials and sizing (604.1, 610, Tables 604.1, 610.3, 610.4)
 - Shutoff valve (606)
 - Water piping test (609.4)
 - Freeze protection for water and drainage lines (312.6)
 - Pressure reducing valve required where static water pressure exceeds 80 psi (608.2)
- Sanitary Drains:
 - Proper materials and sizing of drainage pipe (701.2, 702, 703, Table 701.2, 702.1, 703.2)
 - Grade for drainage piping as per code (708)
 - Proper fittings for changes in direction of drainage flow (706)
 - Required cleanouts as per code or plans (707)
- Vents:
 - Trap arm length (1002.2)
 - Vent requirements (901.2)
 - Size of vents (904.1, Table 703.2)
 - Vertical wet vent (908.1)
 - Horizontal wet vent (908.2)
- Support required for DWV and water piping (313.3)
- DWV piping test (712)
- Required spacing and clearance of fixtures (402.5) (*Also see ORSC R307.1 and R305.1*)
- Weakening of structural members (312.11)
- Nail plates as required (312.9)
- Where accessibility is required by the Oregon Building Code, accessible plumbing fixtures are installed in accordance with ICC A117.1-2009 (403.2)

Plumbing- Shower Pan Inspection

- Shower pan minimum specifications (408.6)
- Shower slope and lining requirements (408.7)
- Shower pan test (408.7.5)

Plumbing- Final Inspection

- Water pressure, minimum and maximum (608.1, 608.2)
- Water line valve requirement (606)
- Rodent proofing (312.12)
- Joints between fixtures and wall or floor shall be watertight (402.2)
- Energy efficient shower and water closets (408.2, 411.2) (*Also see ORSC N1108.1*)
- Trap arm length and change of direction (1002.2, 1002.3)
- Dishwater drainage connection (414.3)
- Installation of air admittance valves (AAV) (**Statewide Alternate Method 07-01**)
- Maximum water temperature of 120 degrees F for showers and bathtubs (408.3, 409.4)
- Separate controls for hot and cold water (417.5)
- Water heater size requirement (501.1)

- ❑ Unions or approved similar installed on water heater as per code **(501.1, 609.5)**
- ❑ Clearance of connectors, metallic or plastic, from water heaters **(604.13)**
- ❑ Expansion tanks and Temperature & Pressure relief valve **(608.3, 505.4, 505.5, 505.6)**
- ❑ Water heater seismic provisions **(507.2)**
- ❑ Water heater drainage pan **(507.4)**
- ❑ Required elevation and protective barriers on water heater **(507.6, 507.6.1)**
- ❑ Sediment trap on water heater installation as per manufacturer's instructions **(501.1)**
- ❑ Water heater installation instructions must be readily available **(507.8)**
- ❑ Hose bibb installation and backflow device **(402.8)**
- ❑ Required backflow prevention assembly installation and testing report **(603.2 Table 603.2, 603.4)**
- ❑ Where accessibility is required by the Oregon Building Code, accessible plumbing fixtures are installed in accordance with ICC A117.1-2009 **(403.2)**